Index of Claims

|        |             |    | 4:   |        | ntro |    |      |
|--------|-------------|----|------|--------|------|----|------|
| Δn     | กแ          | ~2 | TION | /I : ^ | ntre | M  | NA   |
| $\sim$ | <b>D</b> 11 | va |      | ,      |      | ,, | IIV. |
|        |             |    |      |        |      |    |      |

10/628,544

Examiner

Alan Cross

Applicant(s)/Patent under Reexamination

LARDIE, BRANT

Art Unit

3713

| <b>√</b> | Rejected |
|----------|----------|
| 11       | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| 4 | ١ | Appeal   |
|---|---|----------|
| C | ) | Objected |

| Cla      | aim      | Γ        |              |          | (  | Date   | 3  |  |              |            |   | Cla          | aim       |  |  |          | [            | Date         | 9        |                |              |   |
|----------|----------|----------|--------------|----------|--|--|--|--|--------------|------------|---|--------------|-----------|--|--|----------|--------------|--------------|----------|----------------|--------------|---|
| Final    | Original | 90/9/9   |              |          |  |  |  |  |              |            |   | Final        | Original  |  |  |          |              |              |          |                |              |   |
|          | 1        | 1        |              |          |  |  |  |  |              |            |   |              | 51        |  |  |          |              |              |          |                |              | Г |
|          | 2        | <b>√</b> |              |          |  |  |  |  |              |            |   |              | 52        |  |  |          |              |              |          |                |              | L |
|          | 3        | 1        |              |          |  |  |  |  |              |            |   |              | 53        |  |  |          |              |              |          |                | L.,          | L |
|          | 4        | 1        | _            |          |  |  |  |  |              |            |   |              | 54        |  |  |          |              | _            | <u> </u> | <u> </u>       | ļ            | L |
| <u></u>  | 5        | 1        |              | _        |  |  | L  | _  |              |            |   |              | 55        | <u> </u>   | _  |          | <u> </u>     | -            | <u> </u> | _              | _            | L |
| <u> </u> | 6        | ₹.       | <u> </u>     | <u> </u> | <u> </u>   |  |  | ļ  |              |            |   |              | 56        | ┝  | $\vdash$   |          | <u> </u>     | ├            | ⊢        | -              | <u> </u>     | ┝ |
|          | 7        | 1        | _            | _        | ├  | <u> </u>   | <u> </u>   | _  |              |            |   |              | 57        | ⊢  | $\vdash$   |          | ┝            |              |          | $\vdash$       |              | ⊦ |
| ļ        | 8        | 1        | -            | ⊢        | ⊢  | $\vdash$   | -  | _  | -            |            |   |              | 58<br>59  | -  | -  |          | -            |              | ⊢        | -              | $\vdash$     | ⊦ |
| -        | 10       | 1        | ⊢            | ├        | ⊢  | ⊢  | ├  | $\vdash$   |              |            |   |              | 60        | ├-   | $\vdash$   |          | -            | -            | $\vdash$ | -              | $\vdash$     | H |
| <b>-</b> | 11       | Ť        | -            | $\vdash$ | ┢  | ┢╾   | -  | $\vdash$   | -            | —          |   |              | 61        | H  | -  |          |              | ┰            | -        | $\vdash$       | $\vdash$     | t |
| _        | 12       | V        | 1            | -        | $\vdash$   | $\vdash$   |  | $\vdash$   | ┝            |            |   |              | 62        |  | Н  | _        |              | $\vdash$     | <u> </u> | $\vdash$       |              | T |
|          | 13       | 1        |              |          |  | Г  | $\vdash$   | $\vdash$   |              |            |   |              | 63        |  |  |          |              | $\vdash$     |          |                |              | Γ |
|          | 14       | V        |              |          | <u> </u>   | 1  | ऻ  |  |              |            |   |              | 64        |  |  |          |              |              |          |                |              | Γ |
|          | 15       | 1        |              |          |  |  |  |  |              |            |   |              | 65        |  |  |          |              |              |          |                |              |   |
|          | 16       | 1        |              |          |  |  |  |  |              |            |   |              | 66        |  |  |          |              |              |          |                |              | L |
|          | 17       | 1        |              |          |  |  |  |  |              |            |   |              | 67        | L.   |  |          | <u> </u>     | _            | _        |                | _            | L |
|          | 18       | 1        |              |          |  |  | <u></u>  |  |              |            |   |              | 68        | L  | L  | _        | ᆫ            | _            |          |                |              | L |
|          | 19_      | 1        | ┖            | L_       | 辶  | L  |  | <u> </u>   | L_           |            |   |              | 69        | <u> </u>   | <u> </u>   |          |              | ┡            | _        | _              | <u> </u>     | Ļ |
|          | 20       | V        | <u> </u>     | <u> </u> | <u> </u>   | ╙  | <u>L</u>   | _  | <u> </u>     | _          |   |              | 70        | ┡  | <u> </u>   |          | ļ            | ⊢            | ļ        | _              | ├            | L |
| <u></u>  | 21       | 1        | <u> </u>     | ļ        | ┡  | ⊢  | ļ  | _  | _            |            |   |              | 71        | ┝  | ⊢  |          | <del> </del> | ┢            | -        | -              | ⊢            | ╀ |
| -        | 22       | 1        | ├            | ⊢        | ├  | ├  | ⊢  | ⊢  | ┝            |            | 1 |              | 72<br>73  | ├  |  |          | ⊢            | ┢─           | ┢        | $\vdash$       | -            | H |
|          | 23<br>24 | 7        | ⊢            | ⊢        | ├  | ├  | -  | ⊢  |              |            | 1 | <u> </u>     | 74        | ⊢  | ├  | _        | ⊢            | ├            | ┢        | $\vdash$       | -            | H |
|          | 25       | 1        | ┢            | ├        | ├-   | $\vdash$   | ╁  | ┢  | $\vdash$     | _          |   |              | 75        | ╁  | $\vdash$   | _        | ┝            | ╁            | ╁┈       | H              | ┢            | t |
| -        | 26       | 1        | ├-           | $\vdash$ | ╁  | ╁  | t  | ┢╌   | $\vdash$     |            |   | <u> </u>     | 76        | H  | <del>                                     </del> |          |              | <u> </u>     | ┢        | ┢              | <u> </u>     | t |
|          | 27       | Ì        | $\vdash$     | $\vdash$ | <del>                                     </del> | <del>                                     </del> | Н  | <del>                                     </del> |              |            |   | <b>—</b> —   | 77        | T  | T  |          |              |              | $\vdash$ | 1              | T            | T |
|          | 28       | 1        | Ħ            | t        | T  |  | 一  | Т  |              |            |   |              | 78        | Г  |  |          |              | T            | $\vdash$ |                |              | T |
|          | 29       | 1        | 1            | Т        |  |  |  |  |              | П          |   |              | 79        |  |  |          |              |              |          |                |              | Ī |
|          | 30       | 1        | 1            | П        |  |  |  |  |              |            |   |              | 80        |  |  |          |              |              |          |                | Ľ            |   |
|          | 31       | 1        |              |          |  |  |  |  |              |            | ] |              | 81        |  |  |          |              |              |          |                |              | L |
|          | 32       | V        | _            |          |  |  | <u> </u>   | L  | <u> </u>     | ļ          | Į |              | 82        | <u> </u>   | <u> </u>   | _        | L            | _            |          | ļ              | <u> </u>     | Ļ |
|          | 33       | V        | <u> </u>     | <u> </u> | ↓_   | <u> </u>   | <u> </u>   | <u> </u>   | <u>_</u>     | _          |   | <u> </u>     | 83        | ļ_   | <u> </u>   | <u> </u> | L.           | ļ            | _        | <u> </u>       | <del> </del> | Ļ |
| <u></u>  | 34       | 1        | _            | $\vdash$ |  | 1  | <u> </u>   | ↓  | <u> </u>     | _          | l | <u> </u>     | 84        | -  | $\vdash$   | $\vdash$ | $\vdash$     | <del> </del> | -        | <del>  -</del> | <b>├</b>     | ╀ |
| <u> </u> | 35       | 1        | <del> </del> | $\vdash$ | $\vdash$   | ├-   | ⊢  |  | $\vdash$     |            |   | <u> </u>     | 85<br>86  | -  | $\vdash$   | $\vdash$ | -            | ┼            | $\vdash$ | $\vdash$       | ├-           | + |
|          | 36<br>37 | 1        | ╁            | $\vdash$ | ╁  | 1  | ⊢  | ├  | $\vdash$     | -          | ł | $\vdash$     | 87        | ├-   | $\vdash$   | $\vdash$ |              | ╁╌           | $\vdash$ | <del> </del>   | +-           | + |
| $\vdash$ | 38       | 1        | $\vdash$     | $\vdash$ | ╀  | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$   | 1 | <del> </del> | 88        | $\vdash$   | +-   |          | -            | $\vdash$     | $\vdash$ | -              | 1            | + |
| -        | 39       | 1        | +-           | $\vdash$ | ╁  | $\vdash$   | <del> </del>                                     | $\vdash$   | $\vdash$     | -          | 1 | <u> </u>     | 89        | +  | H  | $\vdash$ | $\vdash$     | 1            | <u> </u> | t              | $t^-$        | t |
|          | 40       | +        | $\vdash$     | $\vdash$ | +-   | $\vdash$   | $t^-$  | T  | Н            | -          | 1 | <b></b>      | 90        | <del>                                     </del> | $\vdash$   |          | H            | t            | t        | $t^-$          | t            | t |
| $\vdash$ | 41       | T        | $t^{-}$      | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   |              | $\vdash$   | 1 | <u> </u>     | 91        | Τ  | Ι-   |          | $\vdash$     | T            | Π        | T              | 1            | t |
|          | 42       | f        | t            | Ħ        | T  | T  | <del>                                     </del> | 1  | T            | T          | 1 |              | 92        | T  |  | Г        |              | 1            | T        | T              |              | T |
|          | 43       | T        | Τ            | Τ        | Τ  | Т  | Ī  |  | Γ            |            | ] |              | 93        |  |  |          |              |              | L        | L              |              | Γ |
|          | 44       |          |              | L        | L  |  |  |  |              |            |   |              | 94        |  |  |          |              |              |          | 匚              |              | Ĺ |
|          | 45       |          |              |          |  | $\Box$   | 匚  | 匚  | 匚            |            | 1 |              | 95        | <u> </u>   |  | L        | 1            |              | <u> </u> | L              | ـــ          | 1 |
|          | 46       | $\Box$   | ┖            | $\Box$   | Ĺ  |  | _  | L  | $oxed{\Box}$ | L          | 1 |              | 96        | <u> </u>   | ┞  | <u>_</u> | L            | 1            | _        | L-             | <b>L</b>     | ļ |
| <u></u>  | 47       | <u> </u> | <u> </u>     | $\perp$  | 1  | <u> </u>   | <u> </u>   | <u> </u>   | <b>↓</b> _   | lacksquare | 1 |              | 97        | ₽  | ऻ_   | _        | <u> </u>     | $\vdash$     | $\vdash$ | ــــ           | <del> </del> | Ļ |
| <u></u>  | 48       | ₽        | 1            | ┞-       | 1  | 1  | <u> </u>   | ₩  | ⊢            | <u> </u>   | ł | <u> </u>     | 98        | ⊢  | ├-   | -        | 1            | +-           | $\vdash$ | $\vdash$       | ⊢            | ł |
| $\vdash$ | 49       | -        | <del> </del> | ╀        | $\vdash$   |  | $\vdash$   | ┺  | -            | ⊢          | - |              | 99<br>100 | +-   | ⊢  | $\vdash$ | $\vdash$     | $\vdash$     | ⊢        | ╀              | ╁            | ╀ |
| <u> </u> | 50       | _        | <u> </u>     | Ц_       | <u>L</u> _                                       | Ц.   | 1_   | _  | <u> </u>     | L          | J | Щ            | 1100      | ــــــــــــــــــــــــــــــــــــــ           |  | L_       | <u></u>      | 1            | L_       | Ц.,            | 1            | L |

| Cla      | aim      |              | _            |  |                | ate  | )              |          |              | _        |
|----------|----------|--------------|--------------|--|----------------|--|----------------|----------|--------------|----------|
|          |          |              |              |  |                |  | ٦              | T        | ٦            |          |
| Final    | Original |              |              |  |                |  |                |          |              |          |
|          | 51       |              |              |  |                |  |                |          |              |          |
|          | 52       |              |              |  |                |  |                |          |              |          |
|          | 53       |              |              |  |                |  |                |          |              |          |
|          | 54       | _            | _            |  |                |  |                |          |              | _        |
| <u> </u> | 55       | _            |              |  | Ш              |  |                |          | _            |          |
|          | 56       |              | _            |  |                |  |                |          | _            |          |
| <u> </u> | 57       | _            | _            |  | $\blacksquare$ | _  |                | $\dashv$ |              |          |
| _        | 58       |              |              |  | -              |  | -              |          | -            |          |
|          | 59       |              |              |  | $\dashv$       |  | -              |          | $\dashv$     |          |
| -        | 60<br>61 | $\dashv$     | _            | -  | -              | $\dashv$   |                | $\dashv$ | $\dashv$     |          |
| $\vdash$ | 62       | $\dashv$     | $\dashv$     | -  | $\vdash$       | -  | $\vdash\vdash$ | $\dashv$ | $\dashv$     |          |
| -        | 62<br>63 |              | -            |  | -              | $\vdash$   | Н              | $\vdash$ | $\dashv$     |          |
|          | 64       | -            | $\dashv$     |  | Н              | $\vdash$   | $\vdash$       | $\dashv$ | $\dashv$     |          |
|          | 65       |              |              | $\vdash$   | Н              | $\vdash$   |                |          |              |          |
|          | 66       |              | $\dashv$     |  |                |  |                | $\Box$   |              |          |
|          | 67       |              |              |  |                |  |                |          |              |          |
|          | 68       |              |              |  |                |  |                |          |              |          |
|          | 69       |              |              |  |                |  |                |          |              |          |
|          | 70       |              |              |  |                |  |                |          |              |          |
|          | 71       |              |              |  |                |  |                |          |              |          |
|          | 72       |              |              |  |                |  |                |          |              |          |
| L        | 73<br>74 |              |              |  | _              |  |                |          |              | _        |
| <u></u>  | 74       |              |              |  |                |  |                |          |              |          |
| <u> </u> | 75       | _            |              |  | _              |  |                | -        |              |          |
| <u></u>  | 76<br>77 | _            |              |  | _              | _  | _              |          |              |          |
| -        | 78       |              |              | $\vdash$   | -              | $\vdash$   | $\vdash$       | Н        |              |          |
| -        | 78<br>79 |              |              | <del> </del>                                     | _              | Н  | H              |          |              |          |
| $\vdash$ | 80       | _            |              |  |                | -  |                | -        |              |          |
| <u> </u> | 81       |              |              |  | $\vdash$       | _  | -              |          | _            | -        |
|          | 81<br>82 |              |              | -  |                | Н  |                |          |              |          |
|          | 83       |              |              | T  | Г              | П  | Г              |          |              |          |
|          | 84       |              |              |  |                |  |                |          |              |          |
|          | 85       |              |              |  |                |  |                |          |              |          |
|          | 86       |              |              |  |                |  | 匚              |          |              |          |
|          | 87       | $oxed{\Box}$ |              | <u> </u>   | _              | $oxed{oxed}$                                     | L              | <u> </u> |              |          |
|          | 88       |              |              | <u> </u>   | <u> </u>       | _  | _              | _        |              | <u> </u> |
| <u></u>  | 89       | _            | L            | _  | $\vdash$       | <u> </u>   | <u> </u>       | _        |              | <u> </u> |
| -        | 90       | $\vdash$     | L-           | -  | <u> </u>       | <del> </del>                                     |                | -        | <u> </u>     | $\vdash$ |
|          | 91<br>92 | -            | $\vdash$     | $\vdash$   | $\vdash$       | $\vdash$   | $\vdash$       | $\vdash$ | $\vdash$     | <u> </u> |
| -        | 93       | -            | <del> </del> | ⊢  | $\vdash$       | ⊢  | ├-             | $\vdash$ | $\vdash$     | -        |
| -        | 94       | H            | <u> </u>     | -  | $\vdash$       | ┢  | ├              | -        | -            | $\vdash$ |
|          | 95       | -            | $\vdash$     | $\vdash$   | $\vdash$       | $\vdash$   | $\vdash$       | -        | -            | $\vdash$ |
|          | 96       | _            | $\vdash$     | -  | ┢              | <del>                                     </del> | -              | $\vdash$ | $\vdash$     | $\vdash$ |
| -        | 97       |              | $\vdash$     |  | Ι-             | $\vdash$   | $\vdash$       | $\vdash$ | $\vdash$     | H        |
|          | 98       |              | T            |  | Ι              |  | Г              | $\vdash$ | T            | Т        |
|          | 99       |              |              |  | Т              |  |                | 1        |              |          |
| $\vdash$ | 100      |              | -            | <del>                                     </del> | _              | -  | _              | ┰        | <del> </del> | $\vdash$ |

| Cla      | Date                            |  |              |          |          |  |  |          |          |          |  |
|----------|---------------------------------|--|--------------|----------|----------|--|--|----------|----------|----------|--|
| Final    | Original                        |  |              |          |          |  |  |          |          |          |  |
|          | 101                             |  |              |          |          |  |  |          |          |          |  |
|          | 102                             |  |              |          |          |  |  |          |          |          |  |
|          | 102<br>103<br>104               |  |              |          | -        |  |  |          |          | Ш        |  |
|          | 104                             |  |              |          |          | _  | _  | _        | <u> </u> | Н        |  |
|          | 105<br>106<br>107               |  | _            |          | <u> </u> | <u> </u>   | $\vdash$   | _        | <u> </u> | Н        |  |
|          | 105                             |  |              | _        |          |  | -  | -        | _        |          |  |
|          | 107                             |  | _            | -        |          |  |  | -        | $\vdash$ |          |  |
|          | 108<br>109                      | $\vdash$   | _            | $\vdash$ |          |  |  |          |          |          |  |
| _        | 110                             |  |              |          |          |  |  |          |          | П        |  |
|          | 111                             |  |              |          |          |  |  |          |          |          |  |
|          | 112                             |  |              |          |          |  |  |          |          |          |  |
|          | 113                             | _  | <u> </u>     | ┕        | L.       | <u> </u>   |  | _        | L_       | Ш        |  |
|          | 113<br>114<br>115               |  | _            | _        | _        | <u> </u>   | lacksquare                                       | <u> </u> | <u> </u> | Н        |  |
|          | 115                             | <u> </u>   | <u> </u>     | <u> </u> | _        | $\vdash$   |  | _        | _        | Н        |  |
|          | 116                             | -  | -            | ⊢        | <u> </u> | <del> </del>                                     | <u> </u>   | _        |          | Н        |  |
|          | 118                             | ⊢  | -            | $\vdash$ | ┝        | ┢  |  | -        | _        | Н        |  |
|          | 117<br>118<br>119               | $\vdash$   | $\vdash$     | ┢╌       | ┢        | -  | $\vdash$   | -        | -        | Н        |  |
|          | I 12N                           |  | $\vdash$     | $\vdash$ |          | 一  | <del>                                     </del> | T        | 1        | Н        |  |
|          | 121                             | _  | $\vdash$     |          |          | T  |  |          | $\vdash$ |          |  |
|          | 121<br>122<br>123               |  |              |          |          |  |  |          |          |          |  |
|          | 123                             |  |              |          |          |  |  |          |          |          |  |
|          | 124                             |  |              |          | <u> </u> | L  | _  | <u> </u> | L        | Ш        |  |
|          | 125                             | _  | _            |          | _        | _  | L  | <u> </u> | <u> </u> | Щ        |  |
|          | 126                             | <u> </u>   | ldash        | ⊢        | _        | <u> </u>   |  | L        | <u> </u> | Н        |  |
|          | 124<br>125<br>126<br>127<br>128 | <del> </del>                                     | ⊢            | ⊢        | ┢        |  |  | ┝        |          | Н        |  |
|          | 120                             | -  | -            | ╌        | ┢        | ╁  |  | ┢        | ┢        | Н        |  |
|          | 129<br>130<br>131               | $\vdash$   | $\vdash$     | ├─       | ┢        | <del>                                     </del> |  | -        | ╁        | Н        |  |
|          | 131                             | <del>                                     </del> | $\vdash$     |          | ┢        | ╁  | 一  |          | T        | П        |  |
|          | 132<br>133                      | ┢  | Г            | l        | T        | 一  | Г  |          |          | П        |  |
|          | 133                             |  | Γ            |          |          | $\vdash$   |  |          |          | П        |  |
|          | 134<br>135                      |  |              |          |          |  |  |          |          |          |  |
|          | 135                             | _  | <u> </u>     | ┞-       | _        | <u> </u>   | L  | <u> </u> | <u> </u> | Ш        |  |
|          | 136                             | _  | _            | ╙        | ļ _      | ļ  | <u> </u>   | <u> </u> | ļ        | Н        |  |
|          | 137                             | <u> </u>   | <del> </del> | ├-       | $\vdash$ | -  | ├  | 1        |          | $\vdash$ |  |
|          | 138<br>139                      | ├  | $\vdash$     | $\vdash$ | ⊢        | ┢  | ⊢  |          | ┢        | ┼┤       |  |
|          | 140                             | ╁  | ├            | $\vdash$ | -        | $\vdash$   | $\vdash$   | +-       | ╁╾       | $\vdash$ |  |
|          | 141                             | -  | $\vdash$     | H        | $\vdash$ | H  | <del>                                     </del> | t        | 1-       | Н        |  |
|          | 142                             | 1  | <u> </u>     | H        | <u> </u> | Г  | Т  | Π        | Τ        | М        |  |
|          | 143                             | Г  | T            | T        |          | Γ  | Г  |          |          |          |  |
|          | 144                             |  |              |          |          |  |  |          |          |          |  |
|          | 145                             |  |              | $\Box$   |          |  |  |          | Ĺ        | $\Box$   |  |
| L        | 146                             | <u> </u>   | L            | 1_       | <u> </u> | $\vdash$   | <u> </u>   | <u> </u> | <b>L</b> | Щ        |  |
| ļ        | 147                             | <u> </u>   | $oxed{oxed}$ | <u> </u> | <u> </u> | $\vdash$   | <b>├</b> -                                       | ـ        |          | $\vdash$ |  |
| <u> </u> | 148                             | -  | $\vdash$     |          | ├-       | ⊢  | ⊢  | ┡        | -        | $\vdash$ |  |
| <u> </u> | 149<br>150                      | ╁  | 1            | -        | -        | ╁  | -  | +-       | $\vdash$ | $\vdash$ |  |
| L        | 150                             | Ц_   | L            | 1        | Ц_       | <u> </u>   | 1  | Ц.       | Ц_       | ш        |  |